

# NATIONAL RADIO TUBE COMPANY

## TRANSMITTING TUBE SPECIALISTS

ALL TUBES REPAIRED. — TUBES BUILT TO SPECIFICATIONS

3420 Eighteenth Street  
SAN FRANCISCO, CALIF.  
October 19, 1928

Fred Catel,  
711 Kenwood Blvd.,  
Milwaukee, Wis.

Dear OM:

Received your letter in regard to the burned out Rectobulb which you are returning to us together with the story as to what happened to it and we note that you state that the filament voltage was never above  $7\frac{1}{2}$  volts.

As this is a 10 volt tube and requires at least 10 volts on the filament to get emission sufficient for good operation we cannot imagine how you got any service out of the tube at all and are not surprised to hear that you have had grief with them. It seems to be the weakness of some fellows to be afraid to burn a Tungsten filament up to full brilliancy for fear that it is going to burn out and this has been the cause of much trouble with Hams that have received Rectobulbs and it is only till we stress the fact that they must operate the tubes at full filament voltage that they begin to get the fine results which the Rectobulbs will furnish when properly operated.

We have not received your tube as yet to examine it for possible defects but will do so at once when we receive it and will take a liberal view of the matter and replace same for you if possible. Cautioning you to increase the filament voltage on the remaining tube if you are using it in half way so that nothing will happen to it in the meantime, we are

Very truly yours,

NATIONAL RADIO TUBE COMPANY

